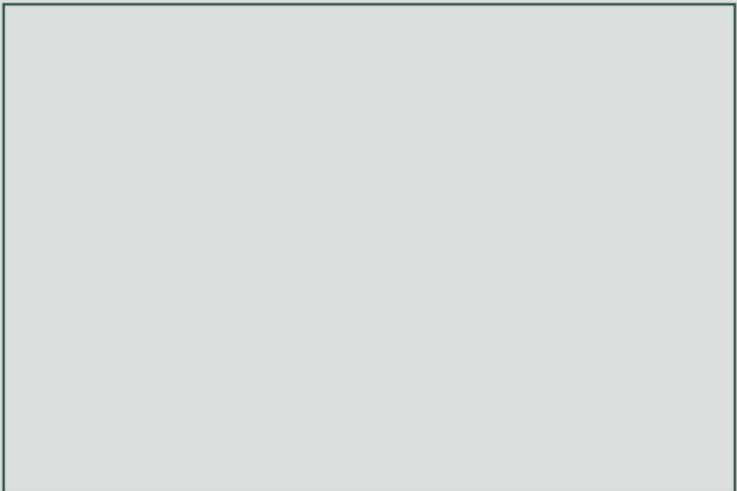
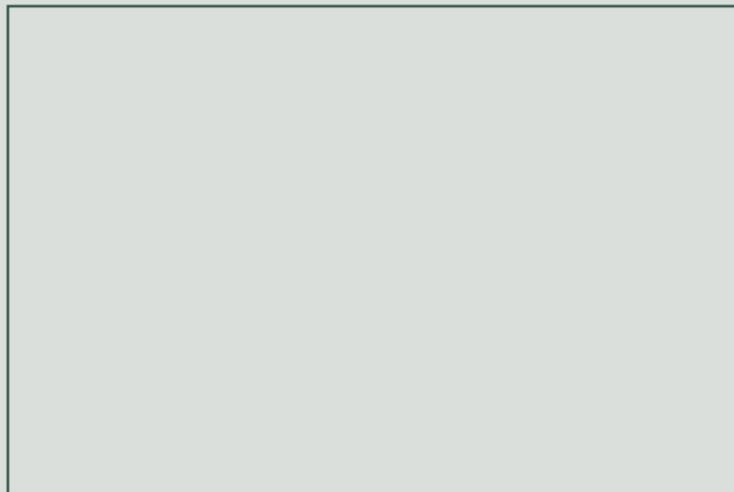


Map & Photo Legend



caption

- | | | | |
|--|--|--|-----------------------------------|
| | Free-oil Containment and Recovery, Shallow Water | | Protected-water Boom |
| | Exclusion Booming | | Snare or Sorbent Boom |
| | Passive Recovery | | Bears in Area, Guards Recommended |
| | Deflection Booming | | |

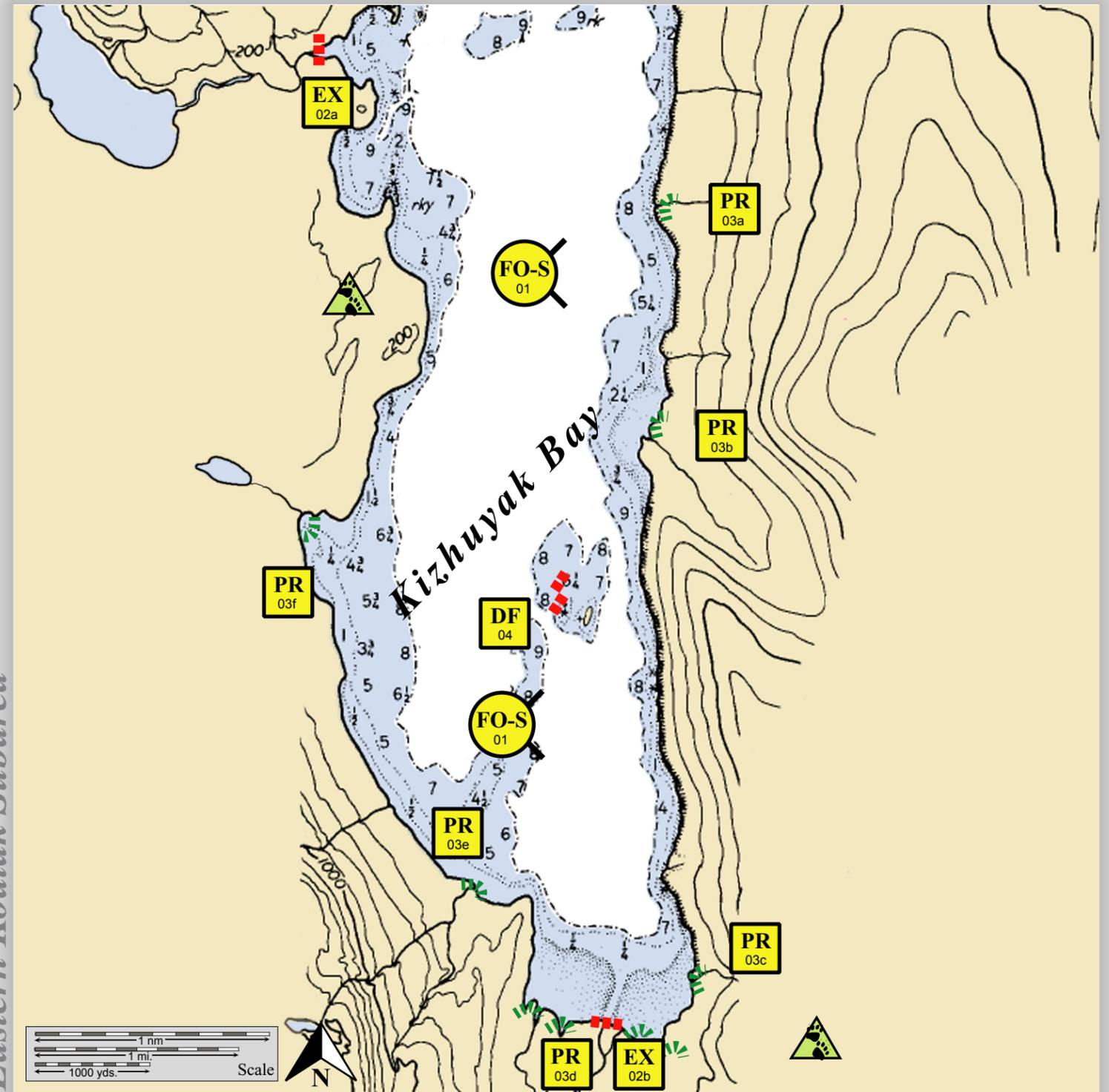


caption

Head of Kizhuyak Bay, K-68

Center of map at 57° 47.8' N Lat., 152° 52.3' W Lon.

Geographic Response Strategies for Eastern Kodiak Subarea



This is not intended for navigational use.

Soundings in fathoms

| ID | Location and Description | Response Strategy | Implementation | Response Resources | Staging Area | Site Access | Resources Protected (months) | Special Considerations |
|--|---|--|---|--|------------------------|--|---|--|
| K-68-01  | Kizhuyak Bay Nearshore waters in the general area of: Lat. 57°46.86'N Lon. 152°53.00'W | Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Kizhuyak Bay depending on spill location and trajectory. | Deploy free-oil recovery strike teams upwind and up current of Kizhuyak Bay. Use aerial surveillance to locate incoming slicks. | Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts the sensitive areas in Kizhuyak Bay. | Vessel Platform | Via marine waters Chart 16594-1 | Same as K-68-02 | Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks. |
| K-68-02  | Kizhuyak Bay a. Lat. 57°49.10'N Lon. 152°54.74'W b. Lat. 57°43.65'N Lon. 152°51.56'W | Exclusion Exclude oil from entering the streams in Kizhuyak Bay. | Approach the area at high tide. For both arrays, place protected-water boom at the high tide mark at an adequate angle to exclude oil from entering the streams. Both arrays may need to be moved further back in the event of high surf conditions. Tend throughout the tide. <u>Boom Lengths:</u> a. 300 ft. b. 350 ft. | Deployment Equipment 650 ft. protected-water boom 3 ea. small anchor systems 8 anchor stakes Vessels 2 ea. class 6 Personnel/Shift 4 ea. vessel crew/general tech Tending Vessels 1 ea. class 6 Personnel/Shift 2 ea. vessel crew/general tech | Port Lions Boat Harbor | Via marine waters Chart 16594-1 | Fish- intertidal spawning-salmon (May-Sept.), herring(April-May) Birds-waterfowl concentration, seabird nesting Marine mammals- seals, otters Habitat- marsh, sheltered rocky shoreline, gravel beaches Human uses-commercial fishing, recreation, sport fishing, subsistence | Vessel master should have local knowledge. Site not surveyed. Tested: not yet. A large population of bears are in the area. A bear guard is required. |
| K-68-03  | Kizhuyak Bay a. Lat. 57°48.29'N Lon. 152°51.11'W b. Lat. 57°46.96'N Lon. 152°51.05'W c. Lat. 57°43.93'N Lon. 152°50.60'W d. Lat. 57°43.64'N Lon. 152°52.14'W e. Lat. 57°44.39'N Lon. 152°53.00'W f. Lat. 57°46.45'N Lon. 152°54.96'W | Passive Recovery Place passive recovery boom across the streams in Kizhuyak Bay. | Approach with skiffs at high-tide. Deploy 100 ft. of snare line or sorbent boom in front of the identified stream. The area around (d) consists of 6 cuts in the marshy bank. Place sorbents across the cuts at the high-tide mark. Each cut will require approximately 100 ft. of boom Replace as necessary to maximize the recovery. | Deployment Equipment 1100 ft. snare line or sorbent boom 44 ea. anchor stakes Vessels/Personnel/Shift Same as K-68-02 Tending Vessels/Personnel/Shift Same as K-68-02 | Port Lions Boat Harbor | Via marine waters Chart 16594-1 | Same as K-68-02 | Vessel masters should have local knowledge. Use snare line for persistent oils and sorbent boom for non-persistent oils. Tested: not yet. |
| K-68-04  | Kizhuyak Bay Lat. 57°46.17'N Lon. 152°52.11'W | Deflection Deflect oil away from seabird nesting area in Kizhuyak Bay and back into the channel for free-oil recovery. | Deploy boom and anchor system with skiffs (class 6). Position 3 x 300 ft. booms at a proper angle to deflect oil back into the channel for collection. Tend throughout the tide. | Deployment Equipment 900 ft. protected-water boom 9 ea. small anchor systems Vessels/Personnel/Shift Same as K-68-02 Tending Vessels/Personnel/Shift Same as K-68-02 | Port Lions Boat Harbor | Via marine waters Chart 16594-1 | Same as K-68-02 | Vessel master should have local knowledge. Tested: not yet. |